

first fluoropolymer comprising a copolymer, terpolymer or mixture thereof formed by the copolymerization of two or more monomers selected from the group consisting of hexafluoropropylene, vinylidene fluoride and tetrafluoroethylene, wherein said first fluoropolymer exhibits elastomeric characteristics and said second fluoropolymer exhibits thermoplastic characteristics to form a covered reinforced tube.

22. The method of claim 21 wherein said elastomeric material forming said inner tube contains a conductive material.

23. The method of claim 22 wherein said conductive material is carbon black.

24. The method of claim 21 further comprising the steps of vulcanizing said covered reinforced tube.

25. The method of claim 24 wherein said covered reinforced tube is vulcanized with a peroxide, a polyol or a polyamine vulcanizing agent.

26. The method of claim 25 wherein said vulcanizing agent is present in an amount of about 0.5 to 10%.

27. The method of claim 25 wherein said covered reinforced tube is vulcanized with a peroxide selected from the group consisting of dicumylperoxide and 2, 5-dimethyl-2, 5-di (t-butylperoxy) hexyne-3.

28. The method of claim 25 wherein said vulcanizing agent is a polyol selected from the group consisting of hexafluoroisopropylidene-bis (4-hydroxyphenyl) hydroquinone and isopropylidene-bis(4-hydroxyphenyl).

29. The method of claim 25 wherein said vulcanizing agent is a polyamine selected from the

group consisting of hexamethylenediamine carbamate and alicyclic diamine carbamate.

30. The method of claim 21 wherein said elastomeric material is an acrylonitrile-butadiene rubber.

31.. The method of claim 21 wherein said first fluoropolymer is a blend of about 20 to 80 weight percent vinylidene fluoride-hexafluoropropylene-tetrafluoroethylene terpolymer having a fluorine content of about 65 to 73 weight percent, said first fluoropolymer having elastomeric characteristics and said second fluoropolymer is a blend of about 80 to 20 weight percent hexafluoropropylene-tetrafluoroethylene-vinylidene fluoride terpolymer having a fluorine content of about 70 to 75 weight percent, said second fluoropolymer having thermoplastic characteristics.

32. The method of claim 21 wherein said reinforcing layer is a layer of fibers selected from the group consisting of polyamide fibers, polyester fibers, rayon fibers, glass fibers and cotton fibers.

33. The method of claim 21 wherein said protective cover layer is a layer of synthetic elastomeric selected from the group consisting of styrene-butadiene rubber, nitrile-butadiene rubber, chloroprene rubber, chlorinated polyethylene, chlorosulfonated polyethylene, epichlorohydrin ethylene oxide, polyvinyl chloride, and blends thereof.

34. The method of claim 33 wherein wherein said protective cover is chlorinated polyethylene.